BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Certificate in Land-based Studies Pearson BTEC International Level 3 Subsidiary Diploma in Land-based Studies Pearson BTEC International Level 3 Foundation Diploma in Horticulture Pearson BTEC International Level 3 Diploma in Horticulture Pearson BTEC International Level 3 Extended Diploma in Horticulture
Unit number and title	Unit 27: Identification, Planting and Care of Plants
Learning aims	**B:** Explore factors affecting the selection of plants and their suitability for planting **C:** Undertake planting and initial aftercare of plants.
Assignment title	Selection, planting and aftercare of plants
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	The college/school are arranging a horticultural show. They would like you to plant a given planting area to show case to visiting public the importance of plant selection, planting practices and after care of plants. You will evidence this in a written portfolio to be displayed at the show. Details of the planting area and site conditions will be provided by your tutor.
Task 1	Before planting the area for the horticulture show, you need to select your plants and produce a **labelled diagram** of the area. This diagram will be included in your final portfolio so visitors to the show can see which plants you selected and why. The labelled diagram must **evaluate, analyse and explain** your **selection of plants** in **relation** to the **planting area conditions**. Include the following on your labelled diagram: • Full details of **each plant** selected. • Clear and **detailed justification and reasoning** for your **plant selection** in relation to factors affecting plant suitability, successful establishment and growth. This should be based on thorough and accurate examination of the following: o careful consideration of the given planting area and site conditions, o the given plant requirements e.g. soil type, nutrients, preferred aspect, support needs o suitability of plants e.g. growth speed, root spread, size and shape o intended purpose of the planting area e.g. formal or informal, temporary or permanent, indoor or outdoor, aesthetics and theme o any other relevant aspects that may affect

	successful establishment and growth e.g. environmental factors, access areas, soil structure • **Evidence** your **research** of different plants and plant types within a bibliography.
Checklist of evidence required	Labelled diagram of planting area explaining selected plants and evaluating reasons for selection Bibliography of plant selection research carried out.
Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
B.D2	Evaluate own selection of plants based on factors that affect selection and suitability for a given area.
B.M2	Analyse the factors that have influenced own selection of plants, giving detailed examples of why they are suitable for a given area.
B.P3	Explain the considerations that have influenced own selection of plants for use in a given area.
B.P4	Explain why the selected plants are suitable for a given area.
Task 2	You will need to **carry out preparation, planting** and **initial aftercare** that is effective in supporting the **successful establishment** of your **chosen plants** to get the area ready for the show. To evidence this you will produce a **portfolio** of practical evidence with **annotated images**, supported by an assessor **observation record**. You will need to practically demonstrate and evidence in your portfolio the following steps: **a) Preparation for planting** • Assess the area and tasks for hazards and risks. Practically evidence that you have minimised risks and fully demonstrate competent safe working practices throughout e.g. use appropriate PPE, correct use of tools and techniques. • Prepare the area for planting. Demonstrate that you have considered the plants, ground conditions and time of year and improved the given area through the preparation of the site. For example cultivation of the ground, removal of organic and inorganic debris and material, level, consolidation, applying conditioners or fertilizers. • Prepare plants for planting. Demonstrate that you have considered the plants requirements prior to planting to promote successful establishment e.g. watering, pruning, and removal of weeds, deadheads and dead leaves. **b) Planting methods** • Show comprehensive planting skills and understanding of plant requirements to support the successful establishment of plants e.g. correct planting hole, correct back filling, efficiency in time taken, and handling of plants without causing damage and minimal disruption. **c) Initial after care of plants** • Show a comprehensive understanding of plant requirements when providing aftercare to support the successful establishment of plants e.g. plant protection and support, feeding, watering, pruning

	and mulching. Throughout all three steps you should also demonstrate and evidence in your portfolio: • Correct selection of tools, materials and equipment, using them safely and to industry standard. • Correctly remove and store tools, material and equipment and dispose of waste materials appropriately. Where appropriate recycling should be used. Finally at the end of your portfolio provide a **detailed analysis** of the impact of the **methods** you used for **preparation, planting and aftercare**. Thoroughly explore if you were **successful** and where methods could be **improved** or carried out **differently**.
Checklist of evidence required	Portfolio – The portfolio will clearly document you carrying out the preparation of a given planting area and the planting and aftercare of selected plants. This will include: • Annotated images describing practical activities (images should be relevant and support the completion of tasks. Learners should also be clearly identifiable in images) • Assessor Observation Record • Written analysis of methods

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
C.D3	Demonstrate the effective preparation, planting and aftercare in the establishment of new plants, with a detailed analysis of the impact of the methods used.
C.M3	Demonstrate efficiency when preparing, planting and providing appropriate aftercare to establish new plants.
C.M4	Analyse the impact of own methods used to carry out planting and aftercare.
C.P5	Demonstrate safe working practices when carrying out ground preparation, planting and aftercare to establish new plants.
C.P6	Explain methods used to carry out planting and initial aftercare of plants.

Sources of information to support you with this Assignment	**Books** Ackeroyd, S (2011) *RHS Complete Gardener's Manual: How to Dig, Sow, Plant and Grow*, London: DK. ISBN-13: 978-1405365833 Adams, C (2017) *Principles of Horticulture: Level 3*, London: Routledge. ISBN-13: 978-1138428652 Brickell, C (2012) *RHS Encyclopedia of Gardening*, London: DK. ISBN-13: 978-1409383949 Brickell. C (2010) *RHS Encyclopedia of Plants and Flowers*, London: DK. ISBN-13: 978-1405354233 Dawson, P (2015) *A Handbook for Horticultural Students*, 2 edn., London: Peter Dawson. ISBN-13: 978-0952591115

	RHS (2013) *RHS What Plant Where Encyclopedia*, London: DK. ISBN-13: 978-1409382973 RHS (2011) *RHS What Plant When*, London: DK. ISBN-13: 978-1405362979 RHS (2013) *RHS Botany for Gardeners*, London: Octopus Publishing Group. ISBN-13: 9781845338336 **Journals and Magazines** • Horticulture Week • BBC Gardeners World • Nature (www.nature.com/hortres/) • Horticultural Plant Journal